

M 5.3, 21km ENE of Dipayal, Nepal

Origin Time: 2019-11-19 13:30:55 UTC (Tue 19:15:55 local)

Location: 29.3235° N 81.1445° E Depth: 10.0 km

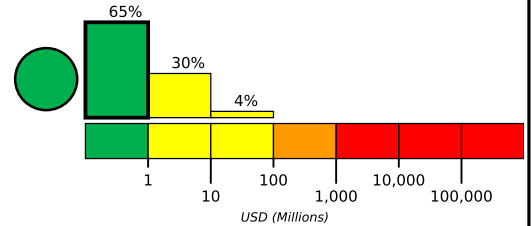
Created: 2 hours, 15 minutes after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

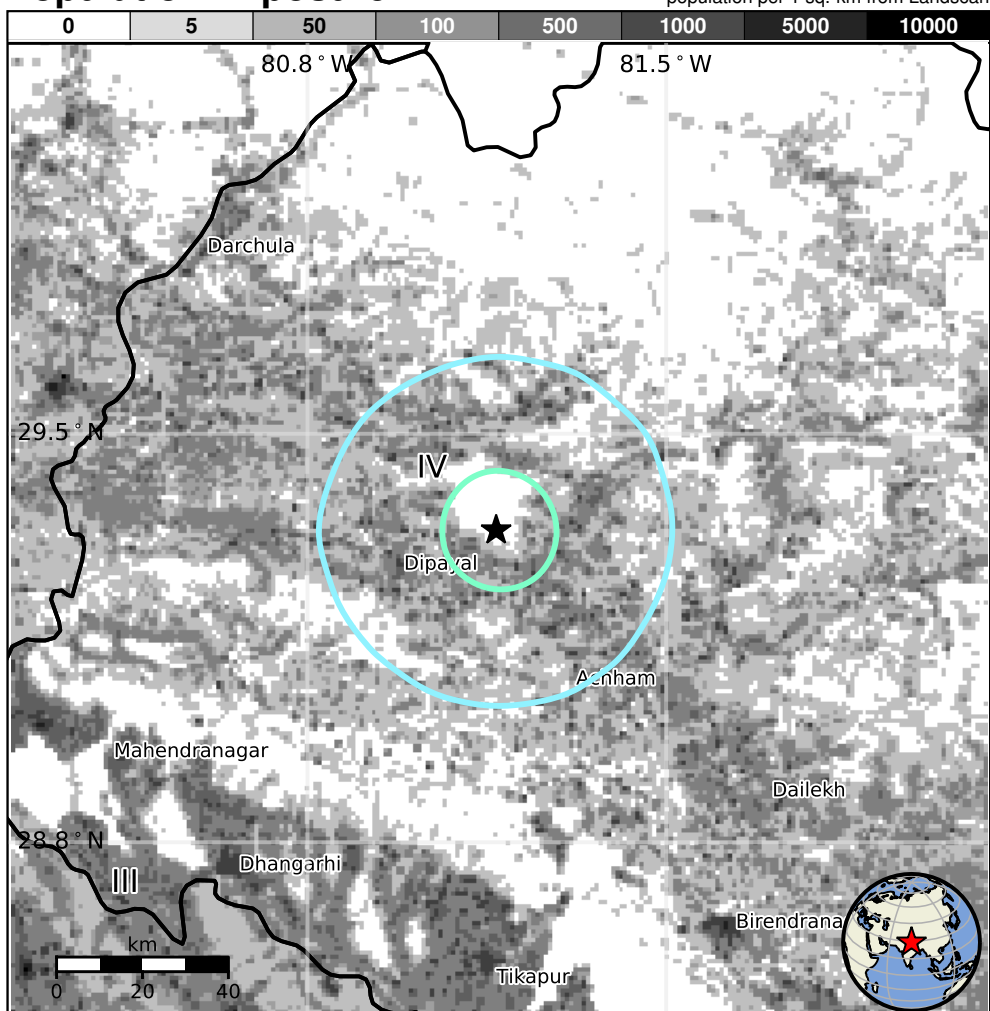


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	4,644k*	616k	75k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2005-12-14	225	5.1	VI(108k)	1
1975-07-19	378	5.3	VII(2k)	2
1991-10-19	276	6.8	VIII(60k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Dipayal	23k
IV	Achham	<1k
III	Dadeldhura	19k
III	Dhangarhi	92k
III	Mahendranagar	88k
III	Tikapur	45k
III	Dailekh	21k
III	Pithoragarh	48k
III	Birendranagar	31k
III	Palia Kalan	39k
III	Puranpur	40k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us700069vd#pager>

bold cities appear on map.

(k = x1000)

Event ID: us700069vd